



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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August 14, 1996

TO: Minerals File

FROM: Lynn Kunzler, Reclamation Specialist

RE: Site Inspection, San Rafael Energy, Inc., Snow Mine (4 acres), M/015/013, Probe Mine (2 acres), S/015/011, and Four Corners Mine (1/2 acre), M/015/014, Emery County, Utah

Date of Inspection: July 19, 1996  
Time of Inspection: 9:30 a.m.  
Conditions: Clear and warm  
Participants: Vern Shumway and Lynn Kunzler, DOGM 

Purpose of Inspection: Evaluate reclamation activities

On May 30, 1996 I met with Vern Shumway and Neil Simmons of the BLM to discuss on site reclamation activities and what would be required by the two agencies to reclaim the three referenced Mine sites.

At the Snow and Probe sites, the headframes need to be removed as well as the buildings. Mr. Shumway was given permission to use the debris to backfill the shafts to the extent possible. Cement caps were to be installed over each shaft. Permission was also granted to bury the one cement pad at the Snow site provided it was covered with a minimum of 4 feet of material. All road spurs at these two sites will need to be reclaimed by ripping and leaving in a rough condition to discourage vehicle use.

At the Four Corners site, the tunnel will need to be backfilled to the extent possible. The area will need to be regraded and debris removed. Seeding at all three sites will need to be done in late October.

On July 19, 1996, a return visit to these sites showed that structures had been removed, debris had been buried or hauled away, regrading had been completed, and roads (except the county roads) had been ripped. Work completed to date was satisfactory, and later phone contact with the BLM indicated that they were satisfied with the work as well. Mr. Shumway requested a seed mix for seeding this fall and indicated that seeding would be done by drilling. This should preclude the need to rip or disk the area before seeding to break the surface crust (it is expected that the seed drill will accomplish this task).

While at these sites, a vegetation survey was performed. At the Snow and Four Corners Mines, surrounding vegetation ground cover was determined to be 15% and at the Probe Mine, it was determined to be 12%. Vegetation was quite similar at all three sites. Dominant plant species were mat saltbush, fourwing saltbush, galleta, squirreltail, indian ricegrass, globemallow, ephedra and wild buckwheat.

jb

cc: Neil Simmons, BLM  
M015013.ins



Recommended Revegetation Species List  
for

San Rafael Energy, Inc.  
Snow, Probe, and Four Corners Mines  
M/015/013, M/015/11& M/015/010

<u>Common Name</u>	<u>Species Name</u>	<u>*Rate lbs/ac (PLS)</u>
'Hycrest' crested wheatgrass	<u><i>Agropyron cristatum 'hycrest'</i></u>	1.0
Intermediate wheatgrass	<u><i>Agropyron intermedium</i></u>	2.0
Indian ricegrass	<u><i>Oryzopsis hymenoides</i></u>	2.5
Yellow sweetclover	<u><i>Melilotus officinalis</i></u>	0.5
Scarlet globemallow	<u><i>Sphaeralcea coccinea</i></u>	0.5
4-wing saltbush	<u><i>Atriplex canescens</i></u>	1.0
Shadscale	<u><i>Atriplex confertifolia</i></u>	1.0
Forage kochia	<u><i>Kochia prostrata</i></u>	0.5
Total Seed		<u>9.0 lbs/ac</u>

\* This seed recommendation was discussed with Mr. Neil Simmons of the BLM. The BLM will accept these recommendations.

Prepared by DOGM August 14, 1996

M015/013.sdm